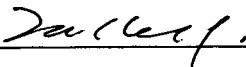


“I hereby acknowledge that the scope and quality of this thesis is qualified for the
award of the Bachelor Degree of Electrical Engineering (Electronics)”

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RESOURCE PLANNING ELECTRONIC BOARD FOR AGRICULTURE INDUSTRY
APPLICATION MODEL

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This thesis is submitted as partial fulfillment of the requirements for the award of the
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Signature :  _____

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Date : **11 NOVEMBER 2008**

To my beloved mother and father, brother, and sisters
for their patience and love

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LIST OF SYMBOLS

A	-	Ampere (unit of electric current)
AM	-	Amplitude modulation
bps	-	Byte per second
	-	Decibel (logarithmic unit of measurement in
dBm	-	electronics)
DIP	-	Dual In-line Package
FIS	-	Field level geospatial information system
GHz	-	Giga Hertz
GIS	-	Geospatial information system
GSM	-	Global System for Mobile communications
Hz	-	Hertz (measure of frequency)
inch	-	Measure length in inch
ICSP	-	In Circuit Serial Programming
LED	-	Light-Emitting Diode
MHz	-	Mega Hertz
MEMS	-	Chemical sensor's name by Mimos Berhad
NPK	-	Nitrate, Phosphorus, Potassium(K)
pH	-	The measure of the acidity or alkalinity of a solution
PIC	-	Programmable Intelligent Computer
RF	-	Radio Frequency
Rx	-	Receiver
ROM	-	Read only memory
RFID	-	Radio frequency identifier
SCI	-	Serial Communication Interface
SMS	-	Short Message Service

SPP	-	Serial Port Profile
Tx	-	Transmitter
TE	-	Transmission Enable
USART	-	Universal Asynchronous Receiver/Transmitter
USB	-	Universal Serial Bus
V	-	Volt (voltage)
VT	-	Threshold voltage

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